

## **Abstract**

A closing buffer mechanism for drawer slide track mainly constitutes buffer mechanism and separable dismounted bumper. The buffer mechanism comprises cylinder, connecting rod and piston. The separable bumper may be either sucking tray, magnetic or snap assembly. It is mounted to one end of moveable rod and the front end of connecting rod. It makes close contact while the connecting rod moves forward. When reserve force is applied, the bumper will separate the connecting rod. While the drawer is being closed, the moveable rod will move inward and bring the bumper assembly moving inward which causes the connecting rod retreat to inside of a cylinder and compress air at the end chamber. The compressed air will then ooze gradually through small air vent so as to alleviate the inward pushing force. Therefore, the inward force the drawer exerts is reduced at the closing end.